

# Stream Quality Assessment Form

Lake County Soil and Water Conservation District

River Mile 0.1 Stream Paine Creek Sample #           
 Location Indian Point  
 County Lake Township/City Levy Date 9/26/07 Time 1:00  
 Monitoring Group  
 Or Individual Cornerstone Christian Academy No. of Participants 5

## Riffle Structure

Width of Riffle           
 Water Depth           
 Water Temp          °C or          °F

## Chemical Analysis

Dissolved O<sub>2</sub>           
 Acidity (pH)           
 Salinity (Cl)           
 Ammonia         

Coliform sample taken?

Yes ☐ No ☐ #         

Results         

Bed Composition of Riffle (must add up to 100%)

SILT ☐ SAND ☐ GRAVEL ☐ COBBLES ☐ BOULDERS ☐  
 (1/4"-2") (2"-10") (>10")

## Descriptions of Water Conditions:

## Special Notes:

## MACROINVERTEBRATE TALLY

## Estimated Count

A= 1 to 9  
 B= 10 to 99  
 C= 100 or more

| GROUP 1 TAXA               | LTR. Code | GROUP 2 TAXA        | LTR. Code | GROUP 3 TAXA        | LTR. Code |
|----------------------------|-----------|---------------------|-----------|---------------------|-----------|
| Water Penny Larvae         | A         | Damselfly Nymphs    | A         | Blackfly Larvae     | A         |
| Mayfly Nymphs              | B         | Dragonfly Nymphs    |           | Aquatic Worms       | B         |
| Stonefly Nymphs            | A         | Crane fly Larvae    | A         | Midge Larvae        | A         |
| Dobsonfly Larvae           | A         | Beetle Larvae       | A         | Pouch Snails        |           |
| Caddisfly Larvae           | C         | Crayfish            | A         | Leeches             |           |
| Riffle Beetle Adult        |           | Scuds               |           |                     |           |
| Gill Snails - (open right) | A         | Clams               |           |                     |           |
|                            |           | Sow Bugs            |           |                     |           |
| NUMBER OF TAXA             | 6         | NUMBER OF TAXA      | 4         | NUMBER OF TAXA      | 3         |
| (TIMES) INDEX VALUE        | 18        | (TIMES) INDEX VALUE | 8         | (TIMES) INDEX VALUE | 3         |
| 3                          |           | 2                   |           | 1                   |           |

Cumulative  
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 Value

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## Stream Quality Assessment

Excellent (> 22)  
 Fair (11-16)

Good (17-22)  
 Poor (<11)

Please Send this form to:

Lake County Soil and Water  
 Conservation District  
 125 East Erie St.  
 Painesville OH 44077

# Stream Quality Assessment Form

Lake County Soil and Water Conservation District

River Mile 0.0 Stream Paine Creek Sample #           
 Location Indian Point  
 County Lake Township/City Ledy Date 9 / 26 / 07 Time 1:00  
 Monitoring Group  
 Or Individual CCA No. of Participants         

## Riffle Structure

Width of Riffle 13'  
 Water Depth 6"  
 Water Temp          °C or 70 °F

## Chemical Analysis

Dissolved O<sub>2</sub>           
 Acidity (pH)           
 Salinity (Cl)           
 Ammonia         

Coliform sample taken?

Yes ☐ No ☐ #         

Results         

Bed Composition of Riffle (must add up to 100%)

SILT ☐ SAND ☐ GRAVEL ☐ COBBLES ☐ BOULDERS ☐  
 (1/4"-2") (2"-10") (>10")

## Descriptions of Water Conditions:

clear, odorless

## Special Notes:

## MACROINVERTEBRATE TALLY

## Estimated Count

A= 1 to 9

B= 10 to 99

C= 100 or more

| GROUP 1 TAXA               | LTR. Code | GROUP 2 TAXA        | LTR. Code | GROUP 3 TAXA        | LTR. Code |
|----------------------------|-----------|---------------------|-----------|---------------------|-----------|
| Water Penny Larvae         |           | Damselfly Nymphs    | <u>A</u>  | Blackfly Larvae     |           |
| Mayfly Nymphs              | <u>B</u>  | Dragonfly Nymphs    |           | Aquatic Worms       |           |
| Stonefly Nymphs            | <u>A</u>  | Cranefly Larvae     | <u>A</u>  | Midge Larvae        |           |
| Dobsonfly Larvae           | <u>A</u>  | Beetle Larvae       |           | Pouch Snails        |           |
| Caddisfly Larvae           | <u>B</u>  | Crayfish            | <u>A</u>  | Leeches             |           |
| Riffle Beetle Adult        | <u>A</u>  | Scuds               |           |                     |           |
| Gill Snails - (open right) |           | Clams               |           |                     |           |
|                            |           | Sow Bugs            |           |                     |           |
| NUMBER OF TAXA             | <u>5</u>  | NUMBER OF TAXA      | <u>3</u>  | NUMBER OF TAXA      | <u>2</u>  |
| (TIMES) INDEX VALUE        | <u>15</u> | (TIMES) INDEX VALUE | <u>6</u>  | (TIMES) INDEX VALUE | <u>2</u>  |
|                            | <u>3</u>  |                     | <u>2</u>  |                     | <u>1</u>  |

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**Lake County Soil and Water Conservation District**

## Riffle Structure

Water Temp \_\_\_\_\_ °C or 70 °F

Salinity (Cl) less than 1 gpm

Coliform sample taken?

## Results

Bed Composition of Riffle (must add up to 100%)

BOULDERS  
( $>10''$ )

**Special Notes:**

### Estimated Count

C= 100 or more

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125 East Erie St.  
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# Stream Quality Assessment Form

Lake County Soil and Water Conservation District

River Mile 0.1 Stream Paine Creek Sample # \_\_\_\_\_  
 Location Indian Point  
 County Lake Township/City Leroy Date 9 / 26 / 07 Time 12:00  
 Monitoring Group \_\_\_\_\_  
 Or Individual CCA (Taylor, Maddie, Mettie, Miranda, Morgan) No. of Participants 5

## Riffle Structure

Width of Riffle \_\_\_\_\_  
 Water Depth \_\_\_\_\_  
 Water Temp \_\_\_\_°C or 70°F

## Chemical Analysis

Dissolved O<sub>2</sub> \_\_\_\_\_  
 Acidity (pH) 7.5  
 Salinity (Cl) \_\_\_\_\_  
 Ammonia \_\_\_\_\_

Coliform sample taken?

Yes ☐ No ☐ # \_\_\_\_\_

Results \_\_\_\_\_

Bed Composition of Riffle (must add up to 100%)

SILT ☐ SAND ☐ GRAVEL ☐ COBBLES ☐ BOULDERS ☐  
 (1/4"-2") (2"-10") (>10")

Descriptions of Water Conditions:

Special Notes:

## MACROINVERTEBRATE TALLY

Estimated Count

A= 1 to 9

B= 10 to 99

C= 100 or more

| GROUP 1 TAXA               | LTR. Code | GROUP 2 TAXA        | LTR. Code | GROUP 3 TAXA        | LTR. Code |
|----------------------------|-----------|---------------------|-----------|---------------------|-----------|
| Water Penny Larvae         | <u>A</u>  | Damselfly Nymphs    | <u>A</u>  | Blackfly Larvae     |           |
| Mayfly Nymphs              | <u>A</u>  | Dragonfly Nymphs    |           | Aquatic Worms       |           |
| Stonefly Nymphs            | <u>A</u>  | Cranefly Larvae     | <u>A</u>  | Midge Larvae        |           |
| Dobsonfly Larvae           | <u>A</u>  | Beetle Larvae       |           | Pouch Snails        |           |
| Caddisfly Larvae           | <u>B</u>  | Crayfish            | <u>A</u>  | Leeches             |           |
| Riffle Beetle Adult        | <u>A</u>  | Scuds               |           |                     |           |
| Gill Snails - (open right) |           | Clams               |           |                     |           |
|                            |           | Sow Bugs            |           |                     |           |
| NUMBER OF TAXA             | <u>6</u>  | NUMBER OF TAXA      | <u>3</u>  | NUMBER OF TAXA      |           |
| (TIMES) INDEX VALUE        | <u>18</u> | (TIMES) INDEX VALUE | <u>6</u>  | (TIMES) INDEX VALUE |           |
| <u>3</u>                   |           | <u>2</u>            |           | <u>1</u>            |           |

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# Stream Quality Assessment Form

Lake County Soil and Water Conservation District

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 Location Indian Point  
 County Lake Township/City Leroy Date 9/26/07 Time 12:00  
 Monitoring Group \_\_\_\_\_  
 Or Individual Cornerstone Christian Academy No. of Participants 5

## Riffle Structure

Width of Riffle \_\_\_\_\_  
 Water Depth \_\_\_\_\_  
 Water Temp \_\_\_\_°C or \_\_\_\_°F

## Chemical Analysis

Dissolved O<sub>2</sub> \_\_\_\_\_  
 Acidity (pH) \_\_\_\_\_  
 Salinity (Cl) \_\_\_\_\_  
 Ammonia less than 0.1

Coliform sample taken?

Yes ☐ No ☐ # \_\_\_\_\_

Results \_\_\_\_\_

Bed Composition of Riffle (must add up to 100%)

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Descriptions of Water Conditions:

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## MACROINVERTEBRATE TALLY

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|----------------------------|-----------|---------------------|-----------|---------------------|-----------|
| Water Penny Larvae         | <u>A</u>  | Damselfly Nymphs    | <u>A</u>  | Blackfly Larvae     | <u>A</u>  |
| Mayfly Nymphs              | <u>A</u>  | Dragonfly Nymphs    |           | Aquatic Worms       | <u>A</u>  |
| Stonefly Nymphs            | <u>A</u>  | Crane fly Larvae    | <u>A</u>  | Midge Larvae        |           |
| Dobsonfly Larvae           | <u>A</u>  | Beetle Larvae       |           | Pouch Snails        |           |
| Caddisfly Larvae           | <u>A</u>  | Crayfish            | <u>A</u>  | Leeches             |           |
| Riffle Beetle Adult        |           | Scuds               |           |                     |           |
| Gill Snails - (open right) |           | Clams               |           |                     |           |
|                            |           | Sow Bugs            |           |                     |           |
| NUMBER OF TAXA             | <u>5</u>  | NUMBER OF TAXA      | <u>3</u>  | NUMBER OF TAXA      | <u>2</u>  |
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